

Title (en)

Method for analyzing sample by electrophoresis and use of the same

Title (de)

Verfahren zur Probenanalyse durch Elektrophorese und Verwendung davon

Title (fr)

Procédé pour analyser l'échantillon par électrophorèse et son utilisation

Publication

**EP 2352020 A3 20130424 (EN)**

Application

**EP 11151413 A 20110119**

Priority

JP 2010009364 A 20100119

Abstract (en)

[origin: EP2352020A2] A sample analysis method with improved separation accuracy is provided. The method relates to a method for analyzing a sample by electrophoresis using an electrophoresis apparatus provided with a channel and a sample reservoir formed in the channel. The method includes: placing the sample in the sample reservoir of the electrophoresis apparatus with the channel being filled with an electrophoresis running buffer; and performing electrophoresis by applying a voltage to both ends of the channel. The concentration of at least one of a) and b) is set to be approximately the same between the sample and the electrophoresis running buffer wherein a) and b) are defined as follows: a) an ion that moves in the same direction as an analyte in the sample by the electrophoresis and has a smaller degree of mobility than the analyte, and b) an ion that moves in the opposite direction to the analyte.

IPC 8 full level

**G01N 27/447** (2006.01)

CPC (source: EP US)

**G01N 27/44747** (2013.01 - EP US); **G01N 27/44769** (2013.01 - EP); **G01N 27/44791** (2013.01 - EP US)

Citation (search report)

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- [Y] US 2005027111 A1 20050203 - CHOW ANDREA W [US], et al
- [Y] US 2006102478 A1 20060518 - ROBERT FREDERIC [FR], et al
- [Y] B.R. THOMAS ET AL: "Validated micellar electrokinetic capillary chromatography method for quality control of the drug substances hydrochlorothiazide and chlorothiazide", JOURNAL OF CHROMATOGRAPHY B: BIOMEDICAL SCIENCES AND APPLICATIONS, vol. 657, no. 2, 1 July 1994 (1994-07-01), pages 383 - 394, XP055055359, ISSN: 0378-4347, DOI: 10.1016/0378-4347(94)E0057-B

Cited by

EP3614134A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2352020 A2 20110803**; **EP 2352020 A3 20130424**; CN 102128873 A 20110720; JP 2011169892 A 20110901; JP 5551092 B2 20140716; US 2011174621 A1 20110721

DOCDB simple family (application)

**EP 11151413 A 20110119**; CN 201110009446 A 20110117; JP 2011005139 A 20110113; US 201113006197 A 20110113